

Product Name :
Orifice And Mouthpiece Apparatus

Product Code :
NLAB-ENGINEERINGLB20007



Description :

Orifice And Mouthpiece Apparatus

Technical Specification :

DESCRIPTION:-

The unit consists of Orifice-meter and Mouthpiece allows hydrologists and engineers a simple method of measuring the Coefficient of Discharge, Coefficient of Contraction and Coefficient of Velocity in variable heads.

The apparatus is used to calibrate the following types of Orifice-meters and Mouthpieces:-

- Orifice-meter - 16 & 12 mm
- Mouthpieces - 18 & 14 mm

RANGE OF EXPERIMENT:-

The objective of this experiment is to find and study the variations of hydraulic coefficients under different operating conditions of the given orifice and mouthpiece.

SPECIFICATION:-

- Sliding pointer with scale to measure X and Y axis.
- Orifice-meter - 16 & 12 mm (Mild Steel with Chrome Plating)
- Mouthpieces - 18 & 14 mm (Brass)
- Chrome platted over flow pipe to change the variable heads.
- Flow control valve to change Discharge.
- Transparent pizometer tubes with scale to measure head and measuring tank discharge.
- Measuring tank- 295 X 345 X 345 mm
- Sump tank- 900 X 350 X 350 mm
- Usha or Crompton Greaves motor for recalculating type unit.- 0.5H.P. Self Priming
- Stop clock..

SERVICE REQUIRED:-

- Suitable Water supply.
- Suitable floor space to mount apparatus.
- 15 amps Single Phase Electrical Connection.

Naugralabequipments

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